

**II. REMARKS**

Claim 1 has been amended to specify certain amino acid sequences within Table 6 (as well as the nucleotide sequences to which these amino acids bind). Claims 2-17 have been canceled without prejudice or disclaimer. Applicants reserve the right to file a continuation or divisional application directed to the subject matter of the canceled claims.

New claims 18 to 23 have been added and are directed to the specific zinc finger proteins of claim 1 and Table 6. Support for the amendments and new claims can be found in original claim 1 and Table 6. No new matter has been added as a result of this amendment and entry thereof is respectfully requested.

In view of the foregoing amendments and remarks, Applicants believe the claims are in condition for allowance and request early notification to that effect.

Respectfully submitted,

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**Version Showing Changes Made to Specification**

The paragraph beginning on page 1, line 6 has been amended as follows:

--The present application claims [priority the] the benefit of U.S. provisional applications 60/126,238 filed March 24, 1999, 60/126,239 filed March 24, 1999, [60/146,596] 60/146,595 filed July 30, 1999 and 60/146,615 filed July 30, 1999, all of which are hereby incorporated by reference in their entirety for all purposes.--

**Version Showing Changes Made to Claims**

1. (Amended) A zinc finger which binds to a target subsite wherein amino acids -1 to +6 of the zinc finger [and the nucleotide sequence of the target subsite are as specified in Table 6] are selected from the group consisting of RXDHXXQ (SEQ ID NO:4043), RXDAXXQ (SEQ ID NO:4044), RXDHXXE (SEQ ID NO:4045), RXDNXXT (SEQ ID NO:4041), RXDDXXK (SEQ ID NO:4026) and TXDHXXS (SEQ ID NO:4042), wherein SEQ ID NO:4043 binds to the target subsite comprising the nucleotide sequence AGG, SEQ ID NO: 4044 binds to the target subsite comprising the nucleotide sequence ATG, SEQ ID NO:4045 binds to the target subsite comprising the nucleotide sequence CGG, SEQ ID NO:4041 binds to the target subsite comprising the nucleotide sequence TAG; SEQ ID NO:4026 binds to the target subsite comprising the nucleotide sequence TCG and SEQ ID NO:4042 binds to the target subsite comprising the nucleotide sequence TGT.

2 to 17. Canceled.

18. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDHXXQ (SEQ ID NO:4043) which binds to the target subsite comprising the nucleotide sequence AGG.

19. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDAXXQ (SEQ ID NO:4044) which binds to the target subsite comprising the nucleotide sequence ATG.

20. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDHXXE (SEQ ID NO:4045) which binds to the target subsite comprising the nucleotide sequence CGG.

21. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDNXXT (SEQ ID NO:4041) which binds to the target subsite comprising the nucleotide sequence TAG.

22. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDDXXK (SEQ ID NO:4026) which binds to the target subsite comprising the nucleotide sequence TCG.

23. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence TXDHXXS (SEQ ID NO:4042) which binds to the target subsite comprising the nucleotide sequence TGT.

**Currently Pending Claim Set**

1. (Amended) A zinc finger which binds to a target subsite wherein amino acids -1 to +6 of the zinc finger are selected from the group consisting of RXDHXXQ (SEQ ID NO:4043), RXDAXXQ (SEQ ID NO:4044), RXDHXXE (SEQ ID NO:4045), RXDNXXT (SEQ ID NO:4041), RXDDXXK (SEQ ID NO:4026) and TXDHXXS (SEQ ID NO:4042), wherein SEQ ID NO:4043 binds to the target subsite comprising the nucleotide sequence AGG, SEQ ID NO: 4044 binds to the target subsite comprising the nucleotide sequence ATG, SEQ ID NO:4045 binds to the target subsite comprising the nucleotide sequence CGG, SEQ ID NO:4041 binds to the target subsite comprising the nucleotide sequence TAG; SEQ ID NO:4026 binds to the target subsite comprising the nucleotide sequence TCG and SEQ ID NO:4042 binds to the target subsite comprising the nucleotide sequence TGT.

2 to 17. Canceled.

18. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDHXXQ (SEQ ID NO:4043) which binds to the target subsite comprising the nucleotide sequence AGG.

19. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDAXXQ (SEQ ID NO:4044) which binds to the target subsite comprising the nucleotide sequence ATG.

20. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDHXXE (SEQ ID NO:4045) which binds to the target subsite comprising the nucleotide sequence CGG.

21. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDNXXT (SEQ ID NO:4041) which binds to the target subsite comprising the nucleotide sequence TAG.

22. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence RXDDXXK (SEQ ID NO:4026) which binds to the target subsite comprising the nucleotide sequence TCG.

23. (New) A zinc finger protein which binds to a target subsite, said zinc finger protein comprising the amino acid sequence TXDHXXS (SEQ ID NO:4042) which binds to the target subsite comprising the nucleotide sequence TGT.